

DUAL GEAR, SINGLE OUTLET MATERIAL PUMP AND
METHOD OF CONSTRUCTING SUCH A PUMP

ABSTRACT OF THE DISCLOSURE

A dual gear, single outlet material pump includes a base plate, a lower gear plate and two associated gears, a spacer plate, an idler shaft, a drive shaft, an upper drive gear, and an upper gear plate. An upper idler gear is housed within a tri-lobed aperture of an upper gear plate. A plurality of screw holes are through a top plate. A plurality of heating plates are coupled to the sides of the assembled pump and a plurality of temperature sensors are coupled to the recesses in the spacer plate. An outlet manifold couples with each of the outlets of the lower gear plate and the upper gear plate to form a single outlet. The method of construction produces an easily disassembled, cleaned, and re-assembled pump.